

## Redmine - Defect #30288

### Groups are incorrect when grouping by date without user timezone set

2018-12-28 07:22 - Mizuki ISHIKAWA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Issues filter	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
The following problems may occur when grouping by date (TimeWithZone).			
1. group count is not displayed			
2. The displayed created_on and group name date are different			
Precondition:			
1. Use PostgreSQL or MySQL			
2. Database time zone is JST (It is not just JST)			
3. User's time zone is unset (User.current.time_zone is nil)			
grouping_issues.png			
<pre>pry(main)&gt; Issue.find(3).created_on Wed, 19 Jul 2006 19:07:27 UTC +00:00</pre>			
<pre>pry(main)&gt; Issue.find(2).created_on Wed, 19 Jul 2006 19:04:21 UTC +00:00</pre>			
<pre>pry(main)&gt; Issue.find(2).created_on.localtime.to_date # JST Thu, 20 Jul 2006</pre>			
<pre>pry(main)&gt; Issue.find(2).created_on.to_date # UTC Wed, 19 Jul 2006</pre>			
In environments where the above conditions apply, the test of "IssuesControllerTest#test_index_grouped_by_created_on [test/functional/issues_controller_test.rb:365]" fails.			
related: <a href="#">#13803</a>			
<b>Related issues:</b>			
Related to Redmine - Feature #13803: Implement grouping issues by date (start...		<b>Closed</b>	
Related to Redmine - Defect #31620: ActivitiesControllerTest#test_previous_pr...		<b>Closed</b>	

#### Associated revisions

##### Revision 18264 - 2019-06-20 08:23 - Jean-Philippe Lang

Groups are incorrect when grouping by date without user timezone set.

##### Revision 18284 - 2019-06-20 10:14 - Jean-Philippe Lang

Test failure with mysql (#30288).

##### Revision 18315 - 2019-06-25 02:02 - Go MAEDA

test\_page\_with\_activity fails depending on the current time and zone (#30288).

Patch by Mizuki ISHIKAWA.

##### Revision 18316 - 2019-06-25 09:35 - Go MAEDA

test\_previous\_project\_index fails depending on the current time and zone (#30288, #31620).

Patch by Mizuki ISHIKAWA.

## History

### #1 - 2018-12-28 07:53 - Go MAEDA

- Related to Feature #13803: Implement grouping issues by date (start, due, creation, update, closing dates) added

### #2 - 2018-12-29 05:21 - Marius BĂLTEANU

- Description updated

### #3 - 2018-12-30 08:53 - Marius BĂLTEANU

Do you think that it can have any connection with the issue from [#16482](#)?

### #4 - 2019-01-04 07:38 - Mizuki ISHIKAWA

- File fix-30288-v1.patch added

Marius BALTEANU wrote:

Do you think that it can have any connection with the issue from [#16482](#)?

I think that this problem is a different problem from [#16482](#).

[source:/trunk/app/helpers/queries\\_helper.rb#L139](#) returned nil when the test failed.

At that time, result\_count\_by\_group was {Thu, 20 Jul 2006=>2} and group was "Wed, 19 Jul 2006".

Issue 's created\_on was converted to different time zones, **JST** and **UTC**, so they were on different dates.

I think that time zones when converting time to date should be unified, but the default time zone when changing Redmine's time to date is not unified.

method name	time zone	source
i18n#format_time	localtime (Database time zone)	<a href="#">source:/trunk/lib/redmine/i18n.rb#L81</a>
User#time_to_date	UTC	<a href="#">source:/trunk/app/models/user.rb#L543</a>

I attached a patch with the default timezone of User#time\_to\_date change to localtime (Database time zone).

In my environment, applying this patch solves the problem.

### #5 - 2019-01-13 03:46 - Marius BĂLTEANU

- Assignee set to Jean-Philippe Lang

- Target version set to 4.1.0

### #6 - 2019-02-03 07:48 - Go MAEDA

- Category set to Issues filter

### #7 - 2019-06-20 08:24 - Jean-Philippe Lang

- Subject changed from Group name and group count are incorrect when grouping by date (TimeWithZone) to Groups are incorrect when grouping by date without user timezone set

- Status changed from New to Closed

- Resolution set to Fixed

Patch committed, thanks!

### #8 - 2019-06-20 08:30 - Go MAEDA

- Target version deleted (4.1.0)

Removing the target version. This fix is a part of [#13803](#) which will be delivered in upcoming 4.1.0, so it is not necessary to publish in the changelog.

### #9 - 2019-06-24 01:30 - Go MAEDA

- Status changed from Closed to Reopened

[r18264](#) broke a test. Probably it fails depending on the current time.

```
$ date -R ; bin/rails test test/functional/my_controller_test.rb:204
Mon, 24 Jun 2019 08:29:07 +0900
Run options: --seed 30392
```

```
# Running:
```

```
F
```

```
Failure:
```

```
MyControllerTest#test_page_with_activity [/Users/maeda/redmines/redmine-trunk/test/functional/my_controller_test.rb:212]:
```

```
Expected at least 1 element matching "a[href="/activity?from=2019-06-23&user_id=2"]", found 0..
```

```
Expected 0 to be >= 1.
```

```
bin/rails test test/functional/my_controller_test.rb:204
```

#### #10 - 2019-06-24 07:33 - Mizuki ISHIKAWA

Go MAEDA wrote:

[r18264](#) broke a test. Probably it fails depending on the current time.

[...]

I think that the test succeeds by changing as below.

```
diff --git a/test/functional/my_controller_test.rb b/test/functional/my_controller_test.rb
index 069cfdc336..81df1d56c4 100644
--- a/test/functional/my_controller_test.rb
+++ b/test/functional/my_controller_test.rb
@@ -205,13 +205,14 @@ class MyControllerTest < Redmine::ControllerTest
   user = User.find(2)
   user.pref.my_page_layout = {'top' => ['activity']}
   user.pref.save!
+   latest_issue = Issue.generate!

   get :page
   assert_response :success

   assert_select 'div#block-activity' do
     assert_select 'h3' do
-       assert_select 'a[href=?]', activity_path(from: Date.current, user_id: user.id), :text => 'Activity'
+       assert_select 'a[href=?]', activity_path(from: user.time_to_date(latest_issue.created_on), user_id: u
ser.id), :text => 'Activity'
     end
     assert_select 'div#activity' do
       assert_select 'dt', 10
```

#### #11 - 2019-06-24 08:43 - Mizuki ISHIKAWA

This change may be better than the [#30288#note-10](#) change.

```
diff --git a/test/functional/my_controller_test.rb b/test/functional/my_controller_test.rb
index 069cfdc336..42a028d407 100644
--- a/test/functional/my_controller_test.rb
+++ b/test/functional/my_controller_test.rb
@@ -204,6 +204,7 @@ class MyControllerTest < Redmine::ControllerTest
   def test_page_with_activity
     user = User.find(2)
     user.pref.my_page_layout = {'top' => ['activity']}
+    user.pref.time_zone = 'UTC'
     user.pref.save!

     get :page
@@ -211,7 +212,7 @@ class MyControllerTest < Redmine::ControllerTest

     assert_select 'div#block-activity' do
       assert_select 'h3' do
-         assert_select 'a[href=?]', activity_path(from: Date.current, user_id: user.id), :text => 'Activity'
+         assert_select 'a[href=?]', activity_path(from: User.current.today, user_id: user.id), :text => 'Acti
vity'
       end
       assert_select 'div#activity' do
         assert_select 'dt', 10
```

**#12 - 2019-06-25 02:07 - Go MAEDA**

- Status changed from Reopened to Closed

Go MAEDA wrote:

[r18264](#) broke a test. Probably it fails depending on the current time.

[...]

Committed the fix written by Mizuki Ishikawa in [r18315](#).

**#13 - 2019-06-25 09:28 - Go MAEDA**

- Related to Defect #31620: ActivitiesControllerTest#test\_previous\_project\_index fails depending on the current time and zone added

**Files**

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grouping_issues.png	73.4 KB	2018-12-28	Mizuki ISHIKAWA
fix-30288-v1.patch	4.15 KB	2019-01-04	Mizuki ISHIKAWA